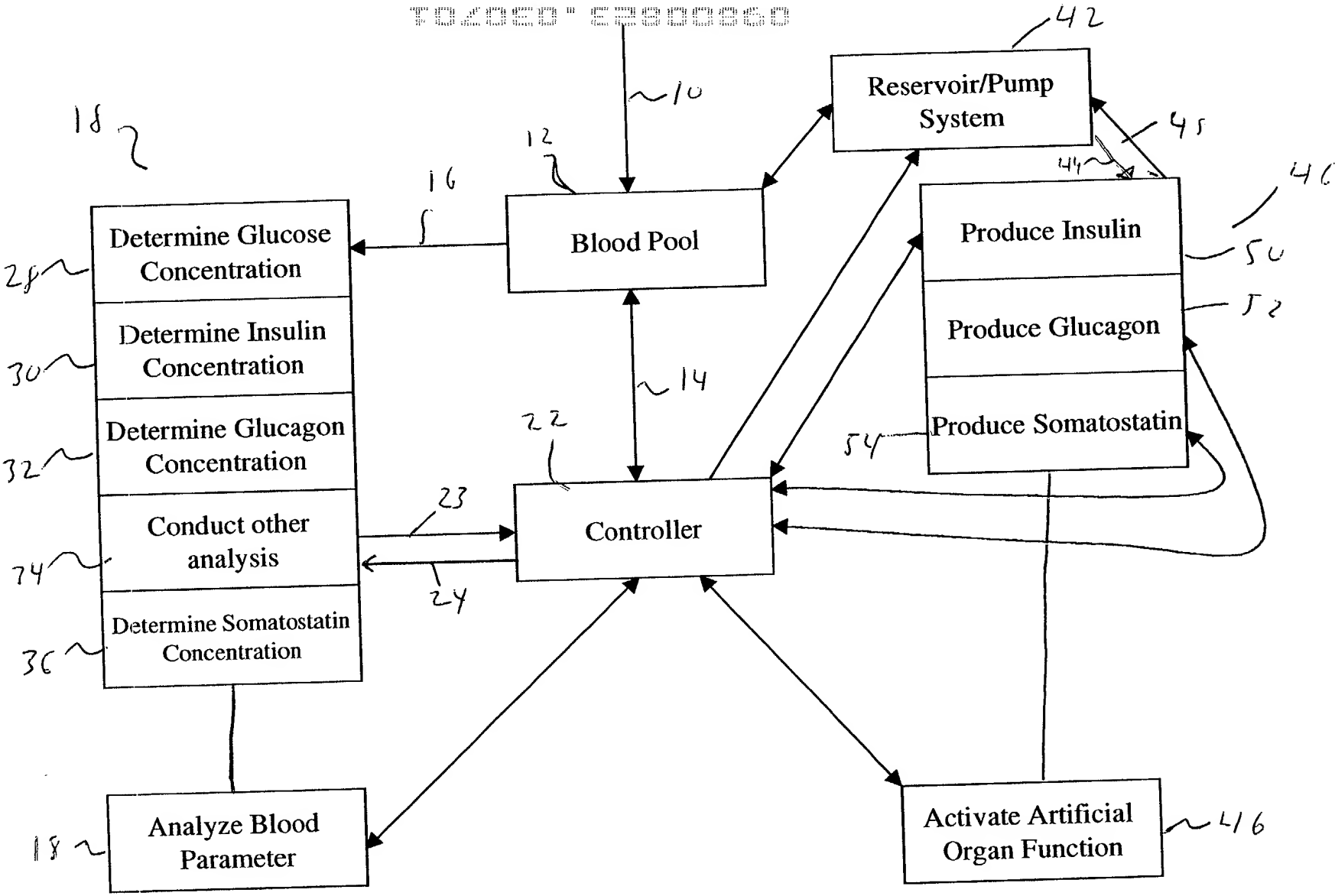
18
10
12
16
42
Reservoir/Pump System
45
44
46
Blood Pool
Produce Insulin
50
Produce Glucagon
52
Produce Somatostatin
54
Determine Glucose Concentration
28
Determine Insulin Concentration
30
Determine Glucagon Concentration
32
Conduct other analysis
34
Determine Somatostatin Concentration
36
14
22
23
24
Controller
Analyze Blood Parameter
18
Activate Artificial Organ Function
416

Figure 1.

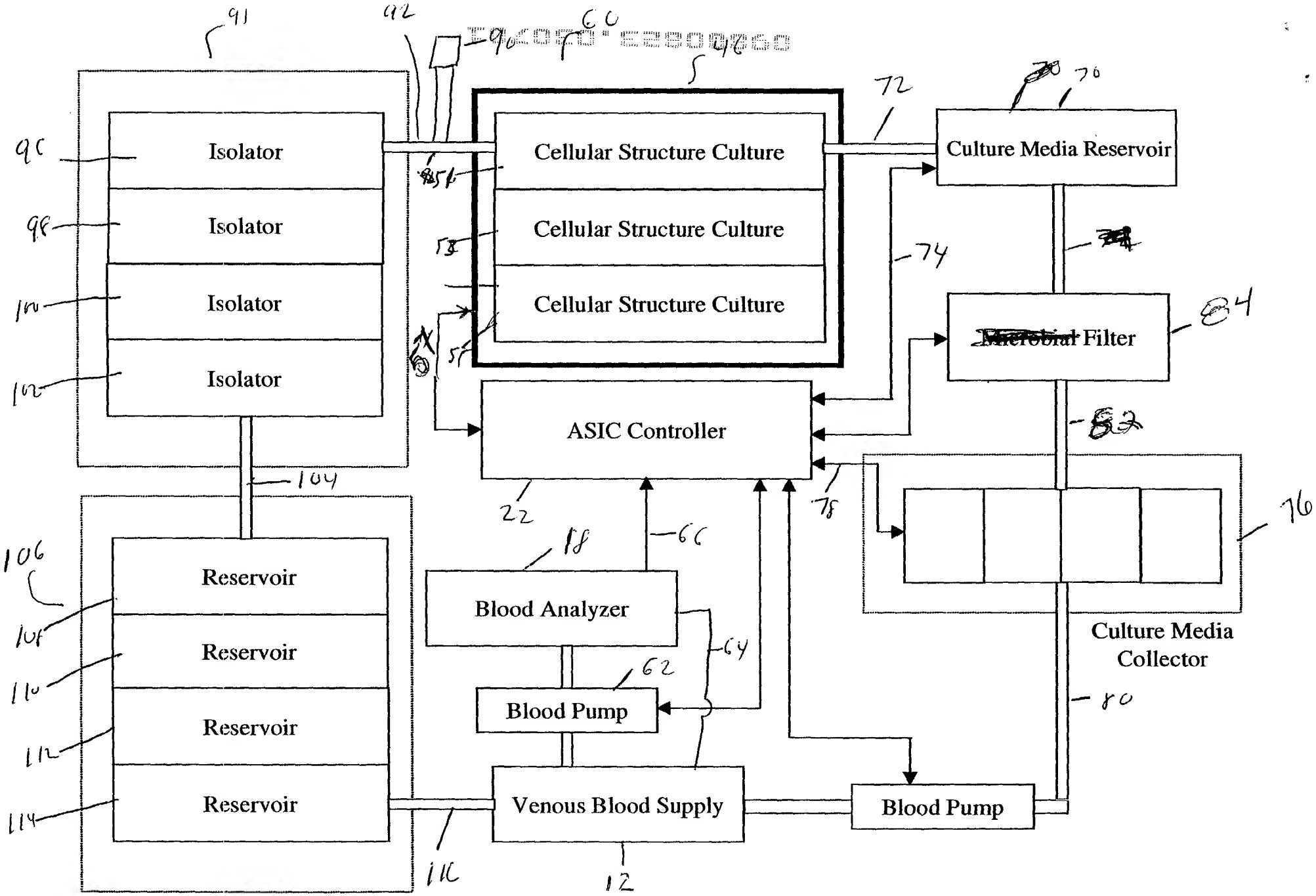
Isolator
Isolator
Isolator
Isolator
Cellular Structure Culture
Cellular Structure Culture
Cellular Structure Culture
Culture Media Reservoir
Microbial Filter
ASIC Controller
Reservoir
Reservoir
Reservoir
Reservoir
Blood Analyzer
Blood Pump
Venous Blood Supply
Blood Pump
Culture Media Collector

FIGURE 2

TRADOS SDL

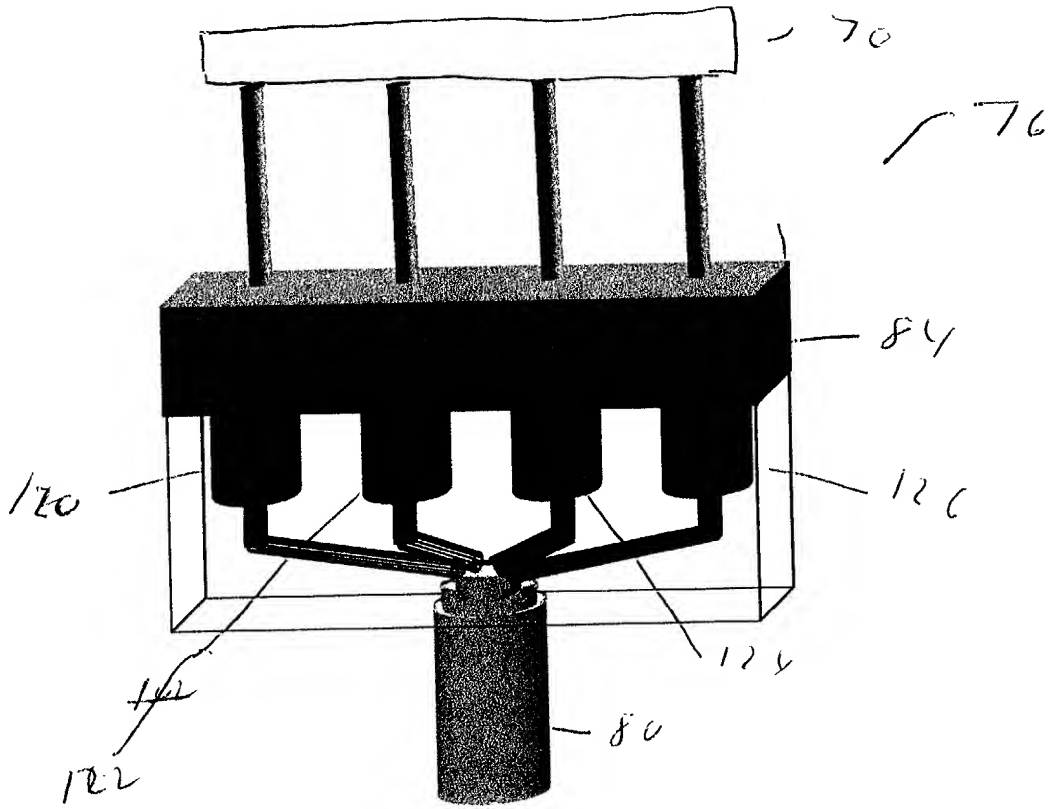

FIGURE 3